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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

### TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: U.S. Patent Application No. 10/690,219, Filed 10/20/03  
Inventor(s): Cox et al.  
**SCRUBBING SYSTEMS AND METHODS FOR COAL FIRED  
COMBUSTION UNITS**  
Attorney Docket No. 21955

Dear Sir/Madam:

Transmitted herewith for filing and pursuant to 37 C.F.R. §§ 1.56 and 1.97 is an Information Disclosure Statement.

Enclosed also are the following designated documents, as required under 37 C.F.R. §§ 1.97 and 1.98:

- ☒ Form PTO-1449 list of 16 (sixteen) reference(s) submitted for consideration.
- ☒ Legible copies of the listed references or their relevant portions.
- ☐ All English translations of each non-English reference, if any, within the possession, custody, control or availability of anyone designated in 37 C.F.R. § 1.56(c) (see 37 C.F.R. § 1.98(c)).

The following are included within the Information Disclosure Statement if applicable and as required under 37 C.F.R. § 1.98:

- ☐ Concise explanation of relevance of each reference not in English and unaccompanied by an English translation.
- ☐ Statement that certain listed references not enclosed are substantially cumulative of an enclosed reference.
- ☐ Statement that certain listed references not enclosed were previously cited by or submitted to the Office in the identified prior application which is relied upon for an earlier filing date under 35 U.S.C. § 120.

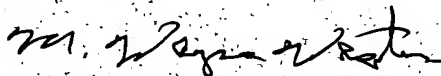
In order to secure consideration of the items designated above, one or more of the following, if required, is also enclosed:

- ☐ Statement under 37 C.F.R. § 1.97(e)(1) or (2).
- ☐ Check No. \_\_\_\_\_ in the amount of \$180.00 (amount in § 1.17(p)) constituting the submission fee set forth in 37 C.F.R. § 1.17(p).

In the event that 37 C.F.R. § 1.97(c) applies and the Examiner is not satisfied that the Statement meets the requirements of 37 C.F.R. § 1.97(e), or in any other event remediable by a fee, please credit any over payment or charge any additional fees to Deposit Account No. 20-0100 of the undersigned.

Dated this 30<sup>th</sup> day of Jan, 2004.

Respectfully submitted,



M. Wayne Western  
Attorney for Applicant  
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MWW/ESE/em  
Enclosures



PATENT APPLICATION  
Attorney Docket No.: 21955

IN THE UNITED STATES PATENT & TRADEMARKS OFFICE

<p>APPLICANT: Cox et al.</p> <p>SERIAL NO.: 10/690,219</p> <p>FILED: 10/20/03</p> <p>FOR: SCRUBBING SYSTEMS AND METHODS FOR COAL FIRED COMBUSTION UNITS</p> <p>ATTORNEY DOCKET NO. 21955</p>	<p><b>INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97</b></p> <p><b>CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8</b></p> <p>DATE OF DEPOSIT: <u>1/30/04</u></p> <p>I hereby certify that this paper or fee (along with any paper or fee referred to as being attached or enclosed) is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p><i>Emily Mechem</i> Emily Mechem</p>
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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir/Madam:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). Applicant respectfully submits that this Information Disclosure Statement is filed pursuant to:

☒ 37 C.F.R. § 1.97 (b)(1) or (3), within three months of the filing date of the application, or before a first office action on the merits, whichever occurs last;

☐ 37 C.F.R. § 1.97 (c), after a first office action on the merits, but before a Final Office Action or a Notice of Allowance, whichever occurs first, and is accompanied by either 1) a statement in accordance with 37 C.F.R. § 1.97(e), or 2) the fee set forth in § 1.17(p); or

☐ 37 C.F.R. § 1.97 (d), after a Final Office Action or Notice of Allowance, whichever occurs first, but on or before payment of the issue fee, and is accompanied by both 1) a statement in accordance with 37 C.F.R. § 1.97(e), and 2) the fee set forth in § 1.17(p).

While no representation is made that any of these references may be "prior art" within the meaning of that term in accordance with 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the references listed, together with any other references which may have been previously submitted or listed, are the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each listed reference (or relevant portion thereof) which was not previously submitted to, or cited by, the Patent Office is also enclosed.

For all listed references that are not either in the English language, or accompanied by a translation into English, a concise explanation of relevance as required under 37 C.F.R. § 1.98(a)(3) is enclosed attached to each.

Please charge any additional fees or credit any overpayment to Deposit Account No. 20-0100.

Dated this 30 day of Jan., 2004.

Respectfully submitted,

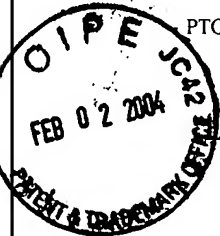


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	PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 21955	SERIAL NO. 10/690,219
	LIST OF PRIOR ART CITED BY APPLICANT			
	APPLICANT Cox et al.		FILING DATE 10/20/03	GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	4,444,568	04/24/1984	Beisswenger et al.			
	A2	4,810,478	03/07/1989	Graf			
	A3	5,270,015	12/14/1993	Rochelle et al.			
	A4	5,535,687	07/16/1996	Khanna			
	A5	5,674,308	10/07/1997	Meissner et al.			
	A6	5,878,677	03/09/1999	Muller et al.			
	A7	6,391,266	05/21/2002	Lavelly, Jr.			
	A8	6,395,237	05/28/2002	Wietzke et al.			
	A9	5,401,481	03/28/1995	Rochelle et al.			
	A10	6,505,567	01/14/2003	Anderson et al.			
	A11	6,531,104	03/11/2003	Borio et al.			
	A12	6,562,303	05/13/2003	Ragnarsson			
	A13	6,569,388	05/27/2003	Fan et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

	A14	Ahman, Stefan, Charles B. Barranger and Peter G. Maurin, "Alstom Power's Flash Dryer Absorber for Flue Gas Desulfurization," IJPGC2002-26154, Proceedings of IJPGC'02, 2002 International Joint Power Generation Conference, Phoenix, AZ, USA, June 24-26, 2002.
	A15	Rader, Phil, Jon Augeli and Stefan Ahman, "ALSTOM Power FGD Technologies: Achieving SO <sub>2</sub> Compliance at the Lowest Lifecycle Cost", Paper presented at CEPsi 2002, 23-27 October in Manila, Philippines.
	A16	Boward, Willard L., Jr. and Rajendra Gaikwad, "State-of-the-Art FGD Technology," Presented at COAL-GEN, Aug. 6-8, 2003, Greater Columbus Convention Center, Columbus, Ohio.
EXAMINER		DATE CONSIDERED
<p><b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.</p>		